

On page 5, lines 25-26, please delete [SEQUENCE ID NOS 1-9] and insert --SEQ ID NOS:1-9--

On page 6, line 10, please delete [SEQUENCE ID NOS 1-9] and insert --SEQ ID NOS:1-9--

On page 6, line 19, please delete [SEQUENCE ID NOS 1-9] and insert --SEQ ID NOS:1-9--

On page 6, line 33, please delete [SEQUENCE ID NOS 1-9] and insert --SEQ ID NOS:1-9--

On page 7, line 8, please delete [SEQUENCE ID NOS 1-9] and insert --SEQ ID NOS:1-9--

On page 7, please delete lines 16-17, and insert --the group consisting of SEQ ID NOS:24-28, and--

On page 7, please delete lines 22-23, and insert --the group consisting of SEQ ID NOS:24-28, and--

On page 7, please delete lines 28-29, and insert --SEQ ID NOS:24-28, and fragments thereof. Further, the--

On page 8, please delete lines 23-24, and insert --antigen selected from the group consisting of SEQ ID NOS:24-28,--

On page 9, please delete lines 7-8, and insert --consisting of SEQ ID NOS:24-28, and fragments thereof.--

On page 9, please delete lines 16-18, and insert --BS322 antigen selected from the group consisting of SEQ ID NOS:24-28, and fragments thereof.--

On page 9, please delete lines 29-30, and insert --sequence selected from the group consisting of SEQ ID NOS:24-28, --

On page 10, lines 1-2, please delete [SEQUENCE ID NOS 1-9] and replace with -SEQ ID NOS:1-9--

On page 10, please delete lines 9-10, and insert --SEQ ID NOS:24-28, and fragments thereof.--

On page 10, please delete lines 15-16, and insert --SEQ ID NOS:24-28, and fragments thereof. The plasmid--

On page 10, line 21, please delete [SEQUENCE ID NOS 1-9] and replace with --SEQ ID NOS:1-9--

On page 10, please delete lines 27-28, and insert --group consisting of SEQ ID NOS:24-28, and fragments thereof. --

On page 10, line 30, please delete [SEQUENCE ID NO 24 or SEQUENCE ID NO 25] and replace with --SEQ ID NO:24 or SEQ ID NO:25--

On page 10, line 32, please delete [SEQUENCE ID NO 8 or SEQUENCE ID NO 9] and replace with --SEQ ID NO:8 and SEQ ID NO:9--

On page 11, please delete lines 2-14, and insert
--Figures 1A-1E show the nucleotide alignment of clones 4304443H1
(SEQ ID NO:1), 3040232H1 (SEQ ID NO:2) 3790941H1 (SEQ ID NO:3), 3424294H1

(SEQ ID NO:4) 2741038H1 (SEQ ID NO:5), 4302934H1 (SEQ ID NO:6), 158545H1 (SEQ ID NO:7), the full-length sequence of clone 4304443H1 [designated as 4304443inh (SEQ ID NO:8)], and the consensus sequence (SEQ ID NO:9) derived therefrom.

Figure 2 shows the contig map depicting the formation of the consensus nucleotide sequence (SEQ ID NO:9) from the nucleotide alignment of overlapping clones 4304443H1 (SEQ ID NO:1), 3040232H1 (SEQ ID NO:2) 3790941H1 (SEQ ID NO:3), 3424294H1 (SEQ ID NO:4) 2741038H1 (SEQ ID NO:5), 4302934H1 (SEQ ID NO:6), 158545H1 (SEQ ID NO:7), 4304443inh (SEQ ID NO:8).--

On page 11, line 18, please delete [SEQUENCE ID NO 24] and replace with --SEQ ID NO:24--

On page 11, line 19, please delete [SEQUENCE ID NO 25] and replace with --SEQ ID NO:25--

On page 11, line 21, please delete [SEQUENCE ID NO 8 or SEQUENCE ID NO 9] and replace with --SEQ ID NO:8 and SEQ ID NO:9--

On page 14, please delete lines 28-30, and insert --sequence can be selected from the group consisting of SEQ ID NOS:24-28, and fragments thereof. --

On page 49, please delete lines 7-13, and insert --the Sequence Listing as SEQ ID NOS: 1-7. Also analyzed in detail as set forth in the Examples, and disclosed in the Sequence Listing is the full-length sequence of clone 4304443H1 [referred to herein as 4304443inh (SEQ ID NO:8)]. The consensus sequence of these inserts is presented as SEQ ID NO:9). These polynucleotides may--

On page 56, please delete lines 26-27, and insert --the group consisting of SEQ ID NOS:24-28, and--

On page 58, please delete lines 8-9, and insert --selected from the group consisting of SEQ ID NOS:24-28, and--

On page 60, please delete lines 26-27, and insert --selected from the group consisting of SEQ ID NOS:24-28, and--

On page 63, line 23, please delete [SEQUENCE ID NO 9] and replace with --SEQ ID NO:9--

On page 63, please delete lines 26-29 and replace with --often in breast than non-breast tissues. Overlapping clones 4304443H1 (SEQ ID NO:1), 3040232H1 (SEQ ID NO:2) 3790941H1 (SEQ ID NO:3), 3424294H1 (SEQ ID NO:4) 2741038H1 (SEQ ID NO:5), 4302934H1 (SEQ ID NO:6), 158545H1 (SEQ ID NO:7)--

On page 63, line 32, please delete [SEQUENCE ID NO 8] and replace with --SEQ ID NO:8--

On page 64, please delete lines 4-8 and replace with --4304443H1 (SEQ ID NO:1), 3040232H1 (SEQ ID NO:2) 3790941H1 (SEQ ID NO:3), 3424294H1 (SEQ ID NO:4) 2741038H1 (SEQ ID NO:5), 4302934H1 (SEQ ID NO:6), 158545H1 (SEQ ID NO:7) and the full-length sequence of clone 4304443H1 [designated as 4304443inh (SEQ ID NO:8)] were entered in the SequencherTM Program--

On page 64, line 11, please delete [SEQUENCE ID NO 9] and replace with --SEQ ID NO:9--

On page 64, please delete lines 12-19 and replace with --these clones and their resultant nucleotide consensus sequence (SEQ ID NO:9). Figure 2 present the contig map depicting the clones 4304443H1 (SEQ ID NO:1), 3040232H1 (SEQ ID NO:2)

3790941H1 (SEQ ID NO:3), 3424294H1 (SEQ ID NO:4) 2741038H1 (SEQ ID NO:5), 4302934H1 (SEQ ID NO:6), 158545H1 (SEQ ID NO:7) and the full-length sequence of clone 4304443H1 [designated as 4304443inh (SEQ ID NO:8)] that form overlapping regions of the BS322 gene and the resultant consensus nucleotide sequence (SEQ ID NO:9) of these clones in a graphic display.--

On page 64, line 21, please delete [SEQUENCE ID NO 9] and replace with --SEQ ID NO:9--

On page 64, lines 22-23, please delete [SEQUENCE ID NO 24] and replace with -SEQ ID NO:24--

On page 64, line 24, please delete [SEQUENCE ID NO 9] and replace with --SEQ ID NO:9--

On page 64, line 26, please delete [SEQUENCE ID NO 9] and replace with --SEQ ID NO:9--

On page 64, line 27, please delete [SEQUENCE ID NO 25] and replace with --SEQ ID NO:25--

On page 65, line 3, please delete [SEQUENCE ID NO 8] and replace with --SEQ ID NO:8--

On page 65, lines 9-10, please delete [SEQUENCE ID NO 12 and SEQUENCE ID NO 13] and replace with --SEQ ID NO:12 and SEQ ID NO:13--

On page 65, line 14, please delete [SEQUENCE ID NOS 14-23] and replace with --SEQ ID NOS:14-23--

On page 65, line 15, please delete [SEQUENCE ID NO 9] and replace with --SEQ ID NO:9--

On page 70, line 22, please delete [SEQUENCE ID NOS 1-9] and replace with --SEQ ID NOS:1-9--

On page 71, line 24, please delete [SEQUENCE ID NOS 1-9] and replace with --SEQ ID NOS:1-9--

On page 72, line 7, please delete [SEQUENCE ID NOS 1-9] and replace with --SEQ ID NOS:1-9--

On page 76, lines 9-10, please delete [SEQUENCE ID NO 26, SEQUENCE ID NO 27 and SEQUENCE ID NO 28] and replace with --SEQ ID NOS:26-28--

On page 76, line 12, please delete [SEQUENCE ID NO 24] and replace with --SEQ ID NO:24--

On page 76, line 13, please delete [SEQUENCE ID NO 25] and replace with --SEQ ID NO:25--

On page 76, line 13-14, please delete [SEQUENCE ID NO 26 and SEQUENCE ID NO 28] and replace with --SEQ ID NO: 26 and SEQ ID NO:28--

On page 81, line 5, please delete [SEQUENCE ID NO 30] and replace with --SEQ ID NO:30--

On page 87, line 33, please delete [SEQUENCE ID NO 26] and replace with --SEQ ID NO:26--

On page 88, line 1, please delete [SEQUENCE ID NO 28] and replace with --SEQ ID NO:28--

On page 88, lines 1-2, please delete [SEQUENCE ID NO 26] and replace with --
SEQ ID NO:26--

On page 88, lines 14-15, please delete [SEQUENCE ID NO 26] and replace with -
-SEQ ID NO:26--

On page 88, line 22, please delete [SEQUENCE ID NO 26] and replace with --
SEQ ID NO:26--

On page 89, line 21, please delete [SEQUENCE ID NO 26] and replace with --
SEQ ID NO:26--

On page 89, line 22, please delete [SEQUENCE ID NO 28] and replace with --
SEQ ID NO:28--

On page 90, please delete lines 12-14 and replace with
--SEQ ID NO:26 (conjugated) >62,500
SEQ ID NO:26 (unconjugated) >62,500
SEQ ID NO: 28 (unconjugated) 30,600--

On page 98, line 24, please delete [SEQUENCE ID NO 24 and SEQUENCE ID
NO 25] and replace with --SEQ ID NO: 24 and SEQ ID NO:25--

On page 98, lines 30-31, please delete [SEQUENCE ID NO 24 and SEQUENCE
ID NO 25] and replace with --SEQ ID NO: 24 and SEQ ID NO:25--

IN THE CLAIMS:

Please cancel claims 1-51.

Please add new claims 52-81 as follows: